



**Entergy Nuclear Operations, Inc.**  
440 Hamilton Avenue  
White Plains, NY 10601  
Tel 914 272 3370

**John F. McCann**  
Director  
Nuclear Safety and Licensing

March 26, 2008  
ENOC-08-00018

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

SUBJECT: Entergy Nuclear Operations, Inc.  
Vermont Yankee Nuclear Power Station  
Docket No. 50-271  
Pilgrim Nuclear Power Station  
Docket No. 50-293

**Decommissioning Fund Status Report**

Dear Sir or Madam:

Entergy Nuclear Operations, Inc (Entergy) is providing the report required by 10 CFR 50.75(f)(1) regarding the status of decommissioning funding for the Vermont Yankee and Pilgrim Nuclear Power Stations. The required information for Vermont Yankee and Pilgrim is provided in Attachments I and II, respectively. These reports are for the period ending December 31, 2007 and are in accordance with NUREG-1307 and RIS 2001-07.

There are no new regulatory commitments identified in this letter. If you have any questions or require additional information, please contact Ms. Charlene Faison at 914-272-3378.

Very truly yours,

A handwritten signature in black ink, appearing to be "John F. McCann".

John F. McCann  
Director  
Nuclear Safety and Licensing  
Entergy Nuclear Operations

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cc:

J. Kim NRC NRR Project Manager  
S. Collins NRC Region I Regional Administrator  
NRC Senior Resident Inspector, Pilgrim  
NRC Senior Resident Inspector, Vermont Yankee  
D. O'Brien Commissioner VT Department of Public Service

**ATTACHMENT I TO ENOC-08-00018**

**ANNUAL DECOMMISSIONING FUND STATUS REPORT  
FOR  
VERMONT YANKEE NUCLEAR POWER STATION**

**ENTERGY NUCLEAR OPERATIONS, INC.  
VERMONT YANKEE NUCLEAR POWER STATION  
DOCKET NO. 50-271**

**ENOC-08-00018; Attachment I**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Vermont Yankee**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Vermont Yankee Nuclear Power Station**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 490.89 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2015).  | \$ 621.84 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 439.57 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2015).  | \$ 649.44 million                               |
| 3. | A schedule of the annual amounts remaining to be collected.   | None  |
| 4. | Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 5. | Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).   | None  |
| 6. | Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report.  | None  |
| 7. | Any material changes to trust agreements.   | None  |

**ATTACHMENT II TO ENOC-08-00018**

**ANNUAL DECOMMISSIONING FUND STATUS REPORT  
FOR  
PILGRIM NUCLEAR POWER STATION**

**ENTERGY NUCLEAR OPERATIONS, INC.  
PILGRIM NUCLEAR POWER STATION  
DOCKET NO. 50-293**

**ENOC-08-00018; Attachment II**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Pilgrim NPS**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Pilgrim Nuclear Power Station**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 495.12 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2015).  | \$ 627.20 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 621.74 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2015).  | \$ 918.59 million                               |
| 3. | A schedule of the annual amounts remaining to be collected.   | None.   |
| 4. | Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 5. | Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).   | None  |
| 6. | Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report.  | None  |
| 7. | Any material changes to trust agreements.   | None  |